

## Muc Off Limited

Version No: 1.2 Safety Data Sheet (Conforms to Regulation (EC) No 2015/830) Chemwatch Hazard Alert Code: 2

Issue Date: 08/09/2015 Revision Date19/08/2020 S.REACH.GBR.EN

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### 1.1. Product Identifier

Product name	CHAMOIS CREAM
Synonyms	MUC171851SP1FB 17185-JW/1.10
Other means of identification	Not Available

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Category Chemical	PC39 Cosmetics, personal care products
Product Category Consumer	PC39 Cosmetics, personal care products
Sectors of Use	SU21 Consumer uses: Private households (= general public = consumers)
Relevant identified uses	Use according to manufacturer's directions.
Uses advised against	Not Applicable

#### 1.3. Details of the supplier of the safety data sheet

Registered company name	Muc Off Limited
Address	Branksome Business Park, Unit 23, Bourne Valley Rd, Poole BH12 1DW
Telephone	+44 (0) 1202 307790
Fax	Not Available
Website	www.muc-off.com
Email	info@muc-off.com

#### 1.4. Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	Not Available
Other emergency telephone numbers	Not Available

## SECTION 2 HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

# Considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Not classified as Dangerous Goods for transport purposes.

## CHEMWATCH HAZARD RATINGS

	Min	Max	
Flammability	0		
Toxicity	0		) = Minimum
Body Contact	2		= Low 2 = Moderate
Reactivity	1		B = High
Chronic	0	4	= Extreme

DSD classification

In case of mixtures, classification has been prepared by following DPD (Directive 1999/45/EC) and CLP Regulation (EC) No 1272/2008 regulations

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DPD classification <sup>[1]</sup>	R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
Legend:	1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC - Annex I ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI	
Classification according to regulation (EC) No 1272/2008 [CLP] <sup>[1]</sup>	Eye Irritation Category 2, Chronic Aquatic Hazard Category 2	
Legend:	1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC - Annex I ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI	

## 2.2. Label elements

CLP label elements	
SIGNAL WORD	WARNING

#### Hazard statement(s)

H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

### Supplementary statement(s)

EUH208	Contains menthol. May produce an allergic reaction
EUH208	Contains menthol. May produce an allergic reactio

#### Precautionary statement(s) Prevention

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary statement(s) Response

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.

## Precautionary statement(s) Storage

Not Applicable

## Precautionary statement(s) Disposal

P501	Dispose of contents/container in accordance with local regulations.

## 2.3. Other hazards

Ingestion may produce health damage\*.

Cumulative effects may result following exposure\*.

May produce skin discomfort\*.

Possible skin sensitizer\*.

Repeated exposure potentially causes skin dryness and cracking\*.

REACh - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## 3.1.Substances

See 'Composition on ingredients' in Section 3.2

## 3.2.Mixtures

1.CAS No 2.EC No 3.Index No 4.REACH No	%[weight]	Name	Classification according to directive 67/548/EEC [DSD]	Classification according to regulation (EC) No 1272/2008 [CLP]
1.67762-27-0 2.267-008-6 3.Not Available 4.Not Available	6	cetostearyl alcohol	R36/37, R50/53 <sup>[1]</sup>	Eye Irritation Category 2, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Acute Aquatic Hazard Category 1, Chronic Aquatic Hazard Category 1; H319, H335, H410 <sup>[1]</sup>

1.38517-23-6 2.253-980-9 3.Not Available 4.Not Available	2	<u>N-stearoyl-</u> L-glutamic acid, sodium salt	R38, R52/53 <sup>[1]</sup>	Skin Corrosion/Irritation Category 2, Chronic Aquatic Hazard Category 3; H315, H412 [1]
1.122-99-6 2.204-589-7 3.603-098-00-9 4.01-2119488943-21-XXXX	0.8	ethylene glycol phenyl ether	R22, R36 <sup>[2]</sup>	Acute Toxicity (Oral) Category 4, Eye Irritation Category 2; H302, H319 [3]
1.70445-33-9 2.408-080-2 3.603-168-00-9 4.no registration number	0.3	ethylhexylglycerin	R41, R52/53 <sup>[2]</sup>	Serious Eye Damage Category 1, Chronic Aquatic Hazard Category 3; H318, H412 <sup>[3]</sup>
1.89-78-1 2.201-939-0 3.Not Available 4.01-2119456818-24-XXXX, 01-2119511175-50-XXXX, 01-2119458866-21-XXXX, 01-2119458865-30-XXXX	0.2	<u>menthol</u>	R37/38, R41, R43 <sup>[1]</sup>	Skin Corrosion/Irritation Category 2, Serious Eye Damage Category 1, Skin Sensitizer Category 1, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation); H315, H318, H317, H335 <sup>[1]</sup>
1.128-37-0 2.204-881-4 3.Not Available 4.01-2119480433-40-XXXX, 01-2119565113-46-XXXX, 01-2119555270-46-XXXX	0.15	2,6-di-tert-butyl- 4-methylphenol	R22, R36/37/38, R40(3), R50/53, R63(3), R68(3) <sup>[1]</sup>	Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Eye Irritation Category 2, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Reproductive Toxicity Category 2, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Acute Aquatic Hazard Category 1, Chronic Aquatic Hazard Category 1; H302, H315, H319, H341, H351, H361, H335, H410 <sup>[1]</sup>
Legend:		by Chemwatch; 2. Classif ication drawn from C&L	ication drawn from EC Direc	tive 67/548/EEC - Annex I ; 3. Classification drawn from EC Directive 1272/2008 - Annex

## SECTION 4 FIRST AID MEASURES

## 4.1. Description of first aid measures

escription of first aid	a measures
General	If skin contact occurs: I Immediately remove all contaminated dothing, including footwear. I Imush skin and hair with running water (and scap if available). Seek medical attention in event of initiation. For thermal burns: D Consider the use of ould packs and topical antibiotics. For first-degree burns (affecting top layer of skin) Hold burned skin under cocurs (not cold) running water or immerse in cool water until pain subsides. Use compresses if running water is not available. Corever with stelle non-affective burns (affecting top hayer of skin) D Consider the use of ould packs and topical antibiotics. For first-degree burns (affecting top layer of skin) Use compresses if running water is not available. Corever with stelle non-affective bardage or clean cloth. D too NOT apply butter or ointrensts; this may cause infection. Core with stelle non-affective counter pain relevans it pain increases or swelling, redness, fever occur. For second-degree burns (affecting top hayers of skin) Core too burne pain relevans it pain increases or swelling, redness, fever occur. For second-degree burns (affecting top hayers of skin) Cook with pay by burter or ointrensts; this may cause infection. D NOT apply butter or painters in cold running water is not available. Do NOT report botak bitsers or apply butter or ointerest, this may cause infection. Protect burn by conver loosely with stelle, nonstick bandage and secure in place with gauze or tape. Torprevent shock (unless the person has a head, neck, or leg injury, or it would cause discomfort): Lay the person flat. Elevate burn area above heart level, it possible. Cook with east about 2 fainches. Elevate burn area above heart level, it possible. Cook with pays on that, and the pain stelle, nonstick bandage or, for large areas, a sheet or other material that will not leave lint in wound. Separate burned (cease and fingers with dy, stelle dressings. Torprevent shock are above theart level, it possible. For an ainvey burn, dno or tapke plicition or tabox bandage or, for large a
Eye Contact	<ul> <li>Wash out immediately with water.</li> <li>If irritation continues, seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> </ul>

#### Seek medical attention in event of irritation. For thermal burns Decontaminate area around burn. Consider the use of cold packs and topical antibiotics. For first-degree burns (affecting top layer of skin) + Hold burned skin under cool (not cold) running water or immerse in cool water until pain subsides. Use compresses if running water is not available. Cover with sterile non-adhesive bandage or clean cloth. Do NOT apply butter or ointments: this may cause infection. Give over-the counter pain relievers if pain increases or swelling, redness, fever occur. For second-degree burns (affecting top two layers of skin) Cool the burn by immerse in cold running water for 10-15 minutes. Use compresses if running water is not available. Do NOT apply ice as this may lower body temperature and cause further damage. Do NOT break blisters or apply butter or ointments; this may cause infection. Protect burn by cover loosely with sterile, nonstick bandage and secure in place with gauze or tape. To prevent shock: (unless the person has a head, neck, or leg injury, or it would cause discomfort): Lay the person flat. Elevate feet about 12 inches. ► Elevate burn area above heart level, if possible. Cover the person with coat or blanket. Seek medical assistance. For third-degree burns Seek immediate medical or emergency assistance. In the mean time: Protect burn area cover loosely with sterile, nonstick bandage or, for large areas, a sheet or other material that will not leave lint in wound. Separate burned toes and fingers with dry, sterile dressings. • Do not soak burn in water or apply ointments or butter; this may cause infection. • To prevent shock see above. For an airway burn, do not place pillow under the person's head when the person is lying down. This can close the airway. Have a person with a facial burn sit up. Check pulse and breathing to monitor for shock until emergency help arrives. If fumes, aerosols or combustion products are inhaled remove from contaminated area. Inhalation Other measures are usually unnecessary. Immediately give a glass of water. Ingestion First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. 4.2 Most important symptoms and effects, both acute and delayed

See Section 11

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5 FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

#### 5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
5.3. Advice for firefighters	
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> </ul>
Fire/Explosion Hazard	carbon dioxide (CO2) other pyrolysis products typical of burning organic materialMay emit poisonous fumes. May emit corrosive fumes.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

See section 8

## 6.2. Environmental precautions

See section 12

#### 6.3. Methods and material for containment and cleaning up

	<ul> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>
Major Spills	<ul> <li>Environmental hazard - contain spillage.</li> <li>Moderate hazard.</li> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Stop leak if safe to do so.</li> <li>Contain spill with sand, earth or vermiculite.</li> </ul>

#### 6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 HANDLING AND STORAGE

## 7.1. Precautions for safe handling

Safe handling	<ul> <li>DO NOT allow clothing wet with material to stay in contact with skin</li> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Avoid contact with moisture.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>Keep containers securely sealed when not in use.</li> </ul>
Fire and explosion protection	See section 5
Other information	

## 7.2. Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>Polyethylene or polypropylene container.</li> <li>Packing as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>
Storage incompatibility	Avoid reaction with oxidising agents

## 7.3. Specific end use(s)

See section 1.2

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control parameters

DERIVED NO EFFECT LEVEL (DNEL)
Not Available

#### PREDICTED NO EFFECT LEVEL (PNEC)

Not Available

## OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
UK Workplace Exposure Limits (WELs)	2,6-di-tert-butyl-4-methylphenol	2,6-Di-tert-butyl-p-cresol	10 mg/m3	Not Available	Not Available	Not Available

EMERGENCY LIMITS					
Ingredient	Material name		TEEL-1	TEEL-2	TEEL-3
ethylene glycol phenyl ether	Phenoxyethanol, 2-; (Phenyl cellosolve)		20 ppm	20 ppm	44 ppm
2,6-di-tert-butyl- 4-methylphenol	Bis(1,1-dimethylethyl)-4-methylphenol, 2,6-; (BHT (food grade); 2,6-Di-tert-butyl-p-cresol)		6 mg/m3	16 mg/m3	180 mg/m3
Ingredient	Original IDLH	Revised IDLH			
cetostearyl alcohol	Not Available	Not Available			
N-stearoyl-L-glutamic acid, sodium salt	Not Available	Not Available			
ethylene glycol phenyl ether	Not Available	Not Available			
ethylhexylglycerin	Not Available	Not Available			
menthol	Not Available	Not Available			
2,6-di-tert-butyl- 4-methylphenol	Not Available	Not Available			

8.2. Exposure controls	
8.2.1. Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure.
8.2.2. Personal protection	
Eye and face protection	<ul> <li>Safety glasses with side shields.</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable.</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	<ul> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> <li>NOTE:</li> <li>The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> <li>Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.</li> <li>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</li> <li>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and.has to be observed when making a final choice.</li> <li>Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.</li> </ul>
Body protection	See Other protection below
Other protection	<ul> <li>Overalls.</li> <li>P.V.C. apron.</li> <li>Barrier cream.</li> <li>Skin cleansing cream.</li> <li>Eye wash unit.</li> </ul>
Thermal hazards	Not Available

#### Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection: CHAMOIS CREAM

Material	CPI
PE/EVAL/PE	A

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	P2	-	-
	Air-line*	-	-
up to 50 x ES	Air-line**	P2	PAPR-P2
	-	Air-line*	-
up to 100 x ES	-	Air-line**	PAPR-P3

\* - Negative pressure demand \*\* - Continuous flow

**Respiratory protection** 

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.

#### 8.2.3. Environmental exposure controls

See section 12

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

Appearance	Semi-solid off-white cream		
Physical state	Liquid	Relative density (Water = 1)	0.920 - 0.950
Physical state	Liquid	Relative density (Water = 1)	0.920 - 0.950

Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	6.75 - 7.75	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Applicable	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	180.68

## 9.2. Other information

Not Available

## SECTION 10 STABILITY AND REACTIVITY

10.1.Reactivity	See section 7.2
10.2. Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
10.3. Possibility of hazardous reactions	See section 7.2
10.4. Conditions to avoid	See section 7.2
10.5. Incompatible materials	See section 7.2
10.6. Hazardous decomposition products	See section 5.3

## SECTION 11 TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	Ingestion of propylene glycol produced reversible central nervous system depression in humans following ingestion of 60 ml. Symptoms included increased heart-rate (tachycardia), excessive sweating (diaphoresis) and grand mal seizures in a 15 month child who ingested large doses (7.5 ml/day for 8 days) as an ingredient of vitamin preparation. Excessive repeated ingestions may cause hypoglycaemia (low levels of glucose in the blood stream) among susceptible individuals; this may result in muscular weakness, incoordination and mental confusion. Very high doses given during feeding studies to rats and dogs produce central nervous system depression (although one-third of that produced by ethanol), haemolysis and insignificant kidney changes. In humans propylene glycol is partly excreted unchanged in the urine and partly metabolised as lactic and pyruvic acid. Lactic acidosis may result. The material has <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Repeated exposure may cause skin cracking, flaking or drying following normal handling and use. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).
Chronic	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population. Implantation studies in rats show that paraffin oils may cause tumours. As a general rule, the highly refined paraffins are believed to contain less suspect polyaromatic hydrocarbons than less refined grades or waxes derived from napthenic base-stocks. Propylene glycol is though, by some, to be a sensitising principal following the regular use of topical creams by eczema patients. A study of 866 persons using a formulation containing propylene glycol in a patch test indicated that propylene glycol caused primary irritation in 16% of exposed individuals probably caused by dehydration. Undiluted propylene glycol was tested on 1556 persons in a 24 hour patch test. 12.5% showed reactions which were largely toxic (70%) or allergic in nature (30%). Reaction responses reached their maximum on the second day or later. Reactions were seasonal in nature ranging from 17.8% in

CHAMOIS CREAM			IRRITATION			
	Not Available		Not Available			
cetostearyl alcohol	TOXICITY Oral (mouse) LD50: 15000 mg/kg <sup>[2]</sup>				IRRITATION Not Available	
N-stearoyl-L-glutamic acid, sodium salt	TOXICITY Oral (rat) LD50: >2000 mg/kg <sup>[2]</sup>			IRRITATION Eye : Moderate Skin : Not irrite		
ethylene glycol phenyl ether	TOXICITY           dermal (rat) LD50: 14391 mg/kg <sup>[1]</sup> Oral (rat) LD50: 1386 mg/kg <sup>[1]</sup>		IRRITATION Eye (rabbit): 250 u Eye (rabbit): 6 mg Skin (rabbit): 500 u	- moderate	RE	
ethylhexylglycerin	TOXICITY Not Available	IRRITATION Eye: 5% solution in water non-irritant	(?)			
menthol	Dermal (rabbit) LD50: >5000 mg/kg <sup>[1]</sup> Eye (rabbit)           Oral (rat) LD50: 2602 mg/kg <sup>[1]</sup> Eye: slight		IRRITATIO           Eye (rabbit           Eye: slight           Skin: irritar	t): 0.75 mg - SE *	75 mg - SEVERE	
2,6-di-tert-butyl- 4-methylphenol	dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup> Eye (rat)           Oral (rat) LD50: 890 mg/kg <sup>[2]</sup> Skin (hu		Skin (human): 50	N : 100 mg/24h-moderate n): 500 mg/48h - mild :500 mg/48h-moderate		
Legend:	1. Value obtained from Europe ECHA Registered S extracted from RTECS - Register of Toxic Effect of		* Value obtained fr	rom manufactui	rer's SDS. Unless otherwise specified data	
CHAMOIS CREAM	The acute oral toxicity of propylene glycol is very lo generally occurs only at plasma concentrations ove impossible to reach toxic levels by consuming food related to either inappropriate intravenous adminis low. Because of its low chronic oral toxicity, propyle (GRAS) for use as a direct food additive. Prolonged contact with propylene glycol is essentia slight transient conjunctivitis (the eye recovers after The materials included in the Lubricating Base Oils The potential toxicity of a specific distillate base oil • The adverse effects of these materials are asses • The levels of the undesirable components are • Distillate base oils receiving the same degree • The potential toxicity of <i>residual base oils</i> is inc • The reproductive and developmental toxicity of Urrefined & mildly refined distillate base oils conta have shown the highest potential carcinogenic and refined oils by removing or transforming undesirabid distillate base oils have a smaller range of hydrocarl testing of residual oils has been negative, supportir non-bioavailable due to their molecular size. Toxicity testing has consistently shown that lubricat For highly and severely refined distillate base oils: In animal studies, the acute, oral, semilethal dose is concentration for inhalation is 2.18 to >4 mg/L. The Testing for sensitisation has been negative. In animals, the	er 1 g/L, which requires extrem s or supplements, which conta tration or accidental ingestion ane glycol was classified by the ally non-irritating to the skin. U r the exposure is removed). s category are related from bo is inversely related to the serve ociated with undesirable comp inversely related to the degree of extent of processing will he dependent of the degree of pr f the distillate base oils is inve- in the highest levels of undesi mutagenic activities. Highly a e components. In comparison bon molecules and have demi- ing base oils have low acute the s >5g/kg body weight and the materials have varied from "m exts of repeated exposure van- ese substances have not beer	hely high intake ov ain at most 1 g/kg of large quantitie e U. S. Food and Indiluted propylen th process and pre- erity or extent of pro- conents, and e of processing; ave similar toxiciti ocessing the oil re- rsely related to the rable components and severely refine to unrefined and onstrated very low als lack biologicall toxicities. semilethal dose by oon-irritating" to "m y by species; in an n found to cause re-	er a relatively s of PG. Cases of s by children.T Drug Administr e glycol is minii rysical-chemica rocessing the c es; aceives. e degree of proo , have the larg- ed distillate bass imildly refined b mammalian to y active compo	short period of time. It would be nearly of propylene glycol poisoning are usually he potential for long-term oral toxicity is also ration as "generally recognized as safe" mally irritating to the eye, and can produce al perspectives; iil has undergone, since: cessing. est variation of hydrocarbon molecules and e oils are produced from unrefined and mildly ase oils, the highly and severely refined xicity. Mutagenicity and carcinogenicity onents or the components are largely s >2g/kg body weight. The semilethal ing" when tested for skin and eye irritation. b the testes and lung have been observed, as	
CETOSTEARYL ALCOHOL	They are also not considered to cause cancer, mut The material may be irritating to the eye, with prolo The material may cause severe skin irritation after p vesicles, scaling and thickening of the skin. Repeat Alkyl alcohols of chain length C6-13 are absorbed fr excreted by the body.	nged contact causing inflamm prolonged or repeated exposu ed exposures may produce se	nation. Repeated c ire and may produ evere ulceration.	ce on contact s	skin redness, swelling, the production of	

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CHAMOIS CREAM

N-STEAROYL- L-GLUTAMIC ACID, SODIUM SALT	The amino acids alkyl amides most likely dissociate into amino acids and fatty acids in the presence of water. Because most of these amino acids and fatty acids are found in the foods we consume daily, oral toxicity is not expected. In turn, dermal toxicity would not be expected to be different from oral exposure. Data from the previous safety assessments on alpha-amino acids and fatty acids support that these ingredients would not likely be irritants or sensitisers. No irritation was observed in in vitro studies with disodium capryloyl glutamate. Acetyl proline was a mild irritant in another in vitro study. In human studies, acetyl proline, acetyl tyrosinamide, disodium capryloyl glutamate, sodium capryloyl glutamate, and sodium lauroyl glutamate. No ocular irritation was observed in in vitro studies of acetyl tyrosinamide, disodium capryloyl glutamate, and sodium lauroyl glutamate. *Cogmis SDS for Eumulgin SG
ETHYLENE GLYCOL PHENYL ETHER	The aryl alkyl alcohol (AAA) fragrance ingredients are a diverse group of chemical structures with similar metabolic and toxicity profiles. The AAA fragrances demonstrate low acute and subchronic dermal and oral toxicity. At concentrations likely to be encountered by consumers, AAA fragrance ingredients are non-irritating to the skin. The potential for eye irritation is minimal. With the exception of benzyl alcohol and to a lesser extent phenethyl and 2-phenoxyethyl AAA alcohols, human sensitization studies, diagnostic patch tests and human induction studies, indicate that AAA fragrance ingredients generally have no or low sensitization potential. Available data indicate that the potential for photosensitization is low. NOAELs for maternal and developmental toxicity are far in excess of current human exposure levels. Bacterial cell mutagen
ETHYLHEXYLGLYCERIN	551age Oral (-) LD50: >2000 mg/kg OECD 401 Skin: non-irritant OECD 404 Dermal (-) LD50: >2000 mg/kg OECD 402 Eye: irritant OECD 405 Non-sensitising (OECD 406) The no toxic effect level for oral application to rats over 28 days is 100 mg/kg/day. A NOEL cannot be determined. OECD 407 No experimental information on genotoxicity in vitro or in vivo available. * Schulke
MENTHOL	The following information refers to contact allergens as a group and may not be specific to this product. Contract allergies quickly manifest themselves as contact eccama, more rarely as uncarian or Quinckes o sedema. The pathogenesis of contact eccama involves a cell-mediated (T Vmphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact uncaria, involves antibody-mediated immune reactions. The solutions of the contract allergens is not simply determined by its somislisation potential: the distribution of the solutions and the opportunities for contact with it are equally important. A weakly sensiting substance which is widely distributed can be a more important allergen than one with stronger sensiting potential with which few individuals come into contact. From a clinical point of Vew, substances are noteworthy if they produce an allergic test reaction in more than 1% of the persons tested. Adverse reactions to fragmances in perfumes and in fragmanced cosmetic products include allergic contact dematitis, infrant contact dematitis, hytotesensitivity, immediate contact vecticat unicana), and pignented donated dematitis. Althorne and connubial contact dematitis and they pre-reactivity of the respiratory tract without producing an IgE-mediated allergy or demonstrable respiratory discuss. Insist was shown by placebo-controlled challenges of nine patients to Perfume mix <sup>2</sup> . The same patients were also subject to perfume provocation, with or without a carriter protein. However, not all sensitising fragmance chemicals are directly reactive, but require previous advation. A prehapten is a chemical that itself is non- or low-sensitising, but that is transformed into a hapten outside the skin by simple chemical transformation (air oxidation, photoactivation) and without the requirement of specific enzymatic systems. In the case of prehaptens, it is possible to prevent advationi outside the body to a cartain extent by different measures, e.g. prevention of air exposure duri
2,6-DI-TERT-BUTYL- 4-METHYLPHENOL	for bridged alkyl phenols: Acute toxicity: Acute oral and dermal toxicity data are available for all but two of the substances in the group. The data show that acute toxicity of these substances is low. The testing for acute toxicity spans five decades Repeat dose toxicity: Repeat dose studies on the members of this category include both subchronic and chronic exposures. The liver is identified as the target organ in rats for all of the substances tested. NOAEL's or NOEL's in rats for 13- week studies ranged from 100 ppm (approximately 5 mg/kg/day) while NOAEL's or NOEL's in rats for chronic studies were the same, 25 mg/kg/day (500 ppm). Reproductive toxicity: Evaluation of effects on reproduction for the bridged alkyl phenols is supplemented by histopathological data on male and female reproductive organs in repeated dose studies. The data on the effects of bridged alkyl phenols on reproduction and reproductive organs span the range of structures and molecular weights. Data show that acute toxicity following oral and topical use of hindered phenols is low. They are not proven to cause mutations. However, long term use may affect the liver, thyroid, kidney and lymph nodes. Liver tumours have been reported. The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing. NOTE: Substance has been shown to be mutagenic in at least one assay, or belongs to a family of chemicals producing damage or change to cellular DNA. * Degussa SDS
CHAMOIS CREAM & CETOSTEARYL ALCOHOL	No significant acute toxicological data identified in literature search.

CETOSTEARYL ALCOHOL & MENTHOL & 2,6-DI- TERT-BUTYL- 4-METHYLPHENOL	Asthma-like symptoms may continue for months or even years a reactive airways dysfunction syndrome (RADS) which can occ of RADS include the absence of preceding respiratory disease, to hours of a documented exposure to the irritant. A reversible on methacholine challenge testing and the lack of minimal lymp of RADS. RADS (or asthma) following an irritating inhalation is irritating substance. Industrial bronchitis, on the other hand, is (often particulate in nature) and is completely reversible after ex-	sur following exposure to high levels in a non-atopic individual, with abra airflow pattern, on spirometry, with the phocytic inflammation, without eosir an infrequent disorder with rates re a disorder that occurs as result of e	s of highly irritating compound. Key criteria for the diagnosis upt onset of persistent asthma-like symptoms within minutes ne presence of moderate to severe bronchial hyperreactivity hophilia, have also been included in the criteria for diagnosis elated to the concentration of and duration of exposure to the exposure due to high concentrations of irritating substance
ETHYLENE GLYCOL PHENYL ETHER & MENTHOL	The material may produce severe irritation to the eye causing p conjunctivitis.	pronounced inflammation. Repeated	or prolonged exposure to irritants may produce
ETHYLENE GLYCOL PHENYL ETHER & 2,6-DI- TERT-BUTYL- 4-METHYLPHENOL	The material may cause skin irritation after prolonged or repeat scaling and thickening of the skin.	ed exposure and may produce on o	contact skin redness, swelling, the production of vesicles,
Acute Toxicity	0	Carcinogenicity	$\otimes$
Skin Irritation/Corrosion	0	Reproductivity	0
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	0
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	$\otimes$
Mutagenicity	$\otimes$	Aspiration Hazard	$\otimes$
		v	– Data available but does not fill the criteria for classification – Data required to make classification available – Data Not Available to make classification

#### **SECTION 12 ECOLOGICAL INFORMATION**

## 12.1. Toxicity

ngredient	Endpoint	Test Duration (hr)	Species	Value	Source
cetostearyl alcohol	LC50	96	Fish	9950mg/L	1
cetostearyl alcohol	EC50	48	Crustacea	1666mg/L	1
cetostearyl alcohol	EC50	96	Algae or other aquatic plants	=235mg/L	1
cetostearyl alcohol	EC0	96	Algae or other aquatic plants	10mg/L	1
cetostearyl alcohol	NOEC	504	Crustacea	=0.98mg/L	1
ethylene glycol phenyl ether	LC50	96	Fish	106.514mg/L	3
ethylene glycol phenyl ether	EC50	48	Crustacea	460mg/L	2
ethylene glycol phenyl ether	EC50	96	Algae or other aquatic plants	429.444mg/L	3
ethylene glycol phenyl ether	EC50	384	Crustacea	25.027mg/L	3
ethylene glycol phenyl ether	NOEC	24	Fish	5mg/L	2
ethylhexylglycerin	LC50	96	Fish	60.2mg/L	2
ethylhexylglycerin	EC50	48	Crustacea	78.3mg/L	2
ethylhexylglycerin	EC50	72	Algae or other aquatic plants	48.28mg/L	2
ethylhexylglycerin	EC50	Not Applicable	Crustacea	44.7mg/L	2
ethylhexylglycerin	NOEC	336	Fish	<1.5mg/L	2
nenthol	LC50	96	Fish	2.609mg/L	3
menthol	EC50	48	Crustacea	26.6mg/L	2
nenthol	EC50	96	Algae or other aquatic plants	4.662mg/L	3
nenthol	EC50	384	Crustacea	0.646mg/L	3
nenthol	NOEC	72	Algae or other aquatic plants	4.6mg/L	2
2,6-di-tert-butyl- 1-methylphenol	LC50	96	Fish	0.199mg/L	2
2,6-di-tert-butyl- 1-methylphenol	EC50	48	Crustacea	0.48mg/L	2
2,6-di-tert-butyl- I-methylphenol	EC50	96	Algae or other aquatic plants	0.228mg/L	3
2,6-di-tert-butyl- I-methylphenol	EC0	48	Crustacea	>=0.31mg/L	1
2,6-di-tert-butyl- I-methylphenol	NOEC	48	Crustacea	0.15mg/L	2

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.

Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

#### for lubricating oil base stocks:

Vapor Pressure Vapor pressures of lubricating base oils are reported to be negligible. In one study, the experimentally measured vapour pressure of a solvent-dewaxed heavy paraffinic distillate base oil was 1.7 x 10exp-4 Pa. Since base oils are mixtures of C15 to C50 paraffinic, naphthenic, and aromatic hydrocarbon isomers, representative components of those structures were selected to calculate a range of vapor pressures. The estimated vapor pressure values for these selected components of base oils ranged from 4.5 x 10exp-1 Pa to 2 x 10exp-13Pa. Based on Dalton's Law the expected total vapour pressure for base oils would fall well below minimum levels (10exp-5 Pa) of recommended experimental procedures.

Partition Coefficient (log Kow): In mixtures such as the base oils, the percent distribution of the hydrocarbon groups (i.e., paraffins, naphthenes, and aromatics) and the carbon chain lengths determines in-part the partitioning characteristics of the mixture. Generally, hydrocarbon chains with fewer carbon atoms tend to have lower partition coefficients than those with higher carbon numbers. However, due to their complex composition, unequivocal determination of the log Kow of these hydrocarbon mixtures cannot be made.

Propylene glycol is known to exert high levels of biochemical oxygen demand (BOD) during degradation in surface waters. This process can adversely affect aquatic life by consuming oxygen needed by aquatic organisms for survival. Large quantities of dissolved oxygen (DO) in the water column are consumed when microbial populations decompose propylene glycol.

Sufficient dissolved oxygen levels in surface waters are critical for the survival of fish, macro-invertebrates, and other aquatic organisms. If oxygen concentrations drop below a minimum level, organisms emigrate, if able and possible, to areas with higher oxygen levels or eventually die. This effect can drastically reduce the amount of usable aquatic habitat. Reductions in DO levels can reduce or eliminate bottom-feeder populations, create conditions that favour a change in a community's species profile, or alter critical food-web interactions.

For Surfactants: Kow cannot be easily determined due to hydrophilic/hydrophobic properties of the molecules in surfactants. BCF value: 1-350.

Aquatic Fate: Surfactants tend to accumulate at the interface of the air with water and are not extracted into one or the other liquid phases.

Terrestrial Fate: Anionic surfactants are not appreciably sorbed by inorganic solids. Cationic surfactants are strongly sorbed by solids, particularly clays. Significant sorption of anionic and non-ionic surfactants has been observed in activated sludge and organic river sediments. Surfactants have been shown to improve water infiltration into soils with moderate to severe hydrophobic or water-repellent properties.

 $\ensuremath{\text{DO NOT}}$  discharge into sewer or waterways.

#### 12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethylene glycol phenyl ether	LOW	LOW
menthol	HIGH	HIGH
2,6-di-tert-butyl- 4-methylphenol	нібн	HIGH

#### 12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
cetostearyl alcohol	MEDIUM (BCF = 1300)
ethylene glycol phenyl ether	LOW (LogKOW = 1.16)
menthol	LOW (BCF = 15)
2,6-di-tert-butyl- 4-methylphenol	HIGH (BCF = 2500)

#### 12.4. Mobility in soil

Ingredient	Mobility
ethylene glycol phenyl ether	LOW (KOC = 12.12)
menthol	LOW (KOC = 66.19)
2,6-di-tert-butyl- 4-methylphenol	LOW (KOC = 23030)

#### 12.5.Results of PBT and vPvB assessment

	Р	В	т
Relevant available data	Not Available	Not Available	Not Available
PBT Criteria fulfilled?	Not Available	Not Available	Not Available

#### 12.6. Other adverse effects

No data available

#### SECTION 13 DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Product / Packagi dispo	Note that properties of a material may change in use, and recycling of reuse may not always be appropriate.

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#### **CHAMOIS CREAM**

	Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.
Waste treatment options	Not Available
Sewage disposal options	Not Available
	·

## SECTION 14 TRANSPORT INFORMATION

## Labels Required

Marine Pollutant HAZCHEM

Not Applicable

## Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1.UN number	Not Applicable
14.2.UN proper shipping name	Not Applicable
14.3. Transport hazard class(es)	ClassNot ApplicableSubriskNot Applicable
14.4.Packing group	Not Applicable
14.5.Environmental hazard	Not Applicable
14.6. Special precautions for user	Hazard identification (Kemler)Not ApplicableClassification codeNot ApplicableHazard LabelNot ApplicableSpecial provisionsNot ApplicableLimited quantityNot Applicable

## Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	ICAO/IATA ClassNot ApplicableICAO / IATA SubriskNot ApplicableERG CodeNot Applicable	
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Special provisions         Cargo Only Packing Instructions         Cargo Only Maximum Qty / Pack         Passenger and Cargo Packing Instructions         Passenger and Cargo Maximum Qty / Pack         Passenger and Cargo Limited Quantity Packing Instructions         Passenger and Cargo Limited Maximum Qty / Pack	Not Applicable         Not Applicable

## Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable
14.2. UN proper shipping name	Not Applicable
14.3. Transport hazard class(es)	IMDG ClassNot ApplicableIMDG SubriskNot Applicable
14.4. Packing group	Not Applicable
14.5. Environmental hazard	Not Applicable

#### Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

14.1. UN number	Not Applicable
14.2. UN proper shipping name	Not Applicable
14.3. Transport hazard class(es)	Not Applicable Not Applicable
14.4. Packing group	Not Applicable
14.5. Environmental hazard	Not Applicable
14.6. Special precautions for user	Classification codeNot ApplicableSpecial provisionsNot ApplicableLimited quantityNot ApplicableEquipment requiredNot ApplicableFire cones numberNot Applicable

## Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## SECTION 15 REGULATORY INFORMATION

#### CETOSTEARYL ALCOHOL(67762-27-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS European Customs Inventory of Chemical Substances ECICS (English) European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English) N-STEAROYL-L-GLUTAMIC ACID, SODIUM SALT(38517-23-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English) ETHYLENE GLYCOL PHENYL ETHER(122-99-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, European Union (EU) No-Longer Polymers List (NLP) (67/548/EEC) placing on the market and use of certain dangerous substances, mixtures and articles European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and European Customs Inventory of Chemical Substances ECICS (English) Packaging of Substances and Mixtures - Annex VI European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) International Agency for Research on Cancer (IARC) - Agents Classified by the IARC (English) Monographs European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31 ETHYLHEXYLGLYCERIN(70445-33-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS European List of Notified Chemical Substances (ELINCS) European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31 MENTHOL(89-78-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS European Customs Inventory of Chemical Substances ECICS (English) European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English) 2,6-DI-TERT-BUTYL-4-METHYLPHENOL(128-37-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

EU European Chemicals Agency (ECHA) Community Rolling Action Plan (CoRAP) List of Substances	European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)
EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
European Customs Inventory of Chemical Substances ECICS (English)	UK Workplace Exposure Limits (WELs)

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments

#### 15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

National Inventory	Status
Australia - AICS	N (N-stearoyl-L-glutamic acid, sodium salt)
Canada - DSL	N (N-stearoyl-L-glutamic acid, sodium salt)
Canada - NDSL	N (2,6-di-tert-butyl-4-methylphenol; ethylhexylglycerin; menthol; ethylene glycol phenyl ether; cetostearyl alcohol)

China - IECSC	Y
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	N (ethylhexylglycerin; menthol; cetostearyl alcohol)
Korea - KECI	Y
New Zealand - NZIoC	Y
Philippines - PICCS	N (ethylhexylglycerin)
USA - TSCA	N (ethylhexylglycerin)
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

## **SECTION 16 OTHER INFORMATION**

## Full text Risk and Hazard codes

H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H335	May cause respiratory irritation.	
H341	Suspected of causing genetic defects.	
H351	Suspected of causing cancer.	
H361	Suspected of damaging fertility or the unborn child.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
R22	Harmful if swallowed.	
R36	Irritating to eyes.	
R36/37	Irritating to eyes and respiratory system.	
R36/37/38	Irritating to eyes, respiratory system and skin.	
R37/38	Irritating to respiratory system and skin.	
R38	Irritating to skin.	
R40(3)	Limited evidence of a carcinogenic effect.	
R41	Risk of serious damage to eyes.	
R43	May cause SENSITISATION by skin contact.	
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
R63(3)	Possible risk of harm to the unborn child.	
R68(3)	Possible risk of irreversible effects.	

## Other information

## DSD / DPD label elements



Relevant risk statements are found in section 2.1

Indication(s) of danger	Ν	
SAFETY ADVICE		
S02	Keep out of reach of children.	
S29	Do not empty into drains.	
S35	This material and its container must be disposed of in a safe way.	
S40	To clean the floor and all objects contaminated by this material, use water.	
S56	Dispose of this material and its container at hazardous or special waste collection point.	
\$57	Use appropriate container to avoid environmental contamination.	
S61	Avoid release to the environment. Refer to special instructions/Safety data sheets.	

## Ingredients with multiple cas numbers

Name	CAS No
cetostearyl alcohol	67762-27-0, 8005-44-5

N-stearoyl-L-glutamic acid, sodium salt	38517-23-6, 81859-19-0, 79811-24-8
ethylene glycol phenyl ether	122-99-6, 37220-49-8, 134367-25-2, 18249-17-7, 200260-63-5, 79586-53-1, 9004-78-8, 56257-90-0, 1219804-65-5
menthol	89-78-1, 2216-51-5, 1490-04-6, 15356-60-2

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at: www.chemwatch.net

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

#### Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index